

## Transparency Market Research



**Semiconductor Wafer Fab Equipment  
(WFE) Market - Global Industry Analysis,  
Size, Share, Growth, Trends and Forecast,  
2014 - 2020**

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## Transparency Market Research

State Tower,  
90, State Street, Suite 700.  
Albany, NY 12207  
United States  
[www.transparencymarketresearch.com](http://www.transparencymarketresearch.com)  
[sales@transparencymarketresearch.com](mailto:sales@transparencymarketresearch.com)

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## REPORT DESCRIPTION

Semiconductor wafer fabrication refers to the process for production of photonic and electrical circuits that include RF (radio frequency amplifiers), LEDs, and optical computer components. Semiconductor equipment plays a pivotal role in IC manufacturing by transforming a bare silicon wafer into a circuit. A number of chemical and photolithographic processes are involved in creating a semiconductor device. The global semiconductor wafer fab equipment market is expected to grow significantly with growing demand for silicon wafers across various sectors.

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### **Consumer Electronics Industry to Fuel Global Semiconductor Wafer Fab Equipment Market**

Growing demand from the consumer electronics industry has propelled the global semiconductor wafer fab equipment market. Increasing technological advancements in the semiconductor and telecom sectors have further augmented the market growth. In the next couple of years, the demand for silicon wafer and equipment footprint will help in analyzing the growth of the semiconductor wafer fab equipment market. The overall market has a huge opportunity to grow with innovation in wafer technologies that has led to “denser packaging” of devices such as transistors and MEMS (micro-electro-mechanical system).

### **Significant Demand for 300mm Wafer Fab Equipment Expected in Near Future**

On the basis of wafer size, the global semiconductor wafer fab equipment market has been segmented into 150mm, 200mm, and 300mm. The Semiconductor Equipment and Materials International has projected that the demand for new 300mm wafer fab equipment will be significant in the near future. According to end user, the global semiconductor wafer fab equipment market has been categorized into retail, telecom, healthcare, banking and financial services, and others. The demand for semiconductor wafer equipment will be significantly high from telecom, banking and financial services, and retail. Semiconductor wafer fab equipment has extensive applications in smartphones, consumer audio/video and entertainment products, pagers, televisions, copiers, PC peripherals, and automotive parts.

### **China to Lead Global Semiconductor Wafer Fab Equipment Market**

The global semiconductor wafer fab equipment market has been segmented into four key regions: Asia Pacific, North America, Europe, and Rest of the World. Presence of major market players in North America has pushed the growth

of the market in the region. However, during the forecast horizon, Asia Pacific is expected to dominate the overall semiconductor wafer fab equipment market. In Asia Pacific, China is the major market along with other countries in Southeast Asia such as India. According to the SEMI, the demand for semiconductor wafer fab equipment will be mostly from China and Southeast Asia, due to the increasing number of new fab projects in the region.

### **Key Players in Global Semiconductor Wafer Fab Equipment Market**

Some of the key players in the global semiconductor wafer fab equipment market are Samsung, TSMC (Taiwan Semiconductor Manufacturing Company), Intel, Motorola, and Lam Research. All the key players are focusing on increasing market share in China. Players such as Motorola have opened wafer processing plants in China. Further, the major players are acquiring lesser known chip companies. In June this year, Intel announced the acquisition of a chip company called Altera for US\$16.7 bn.

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This research report analyzes this market depending on its market segments, major geographies, and current market trends. Geographies analyzed under this research report include

- North America
- Asia Pacific
- Europe
- Rest of the World

**This report provides comprehensive analysis of**

- Market growth drivers

- Factors limiting market growth
- Current market trends
- Market structure
- Market projections for upcoming years

This report is a complete study of current trends in the market, industry growth drivers, and restraints. It provides market projections for the coming years. It includes analysis of recent developments in technology, Porter's five force model analysis and detailed profiles of top industry players. The report also includes a review of micro and macro factors essential for the existing market players and new entrants along with detailed value chain analysis.

### **Reasons for Buying this Report**

- This report provides pin-point analysis for changing competitive dynamics
- It provides a forward looking perspective on different factors driving or restraining market growth
- It provides a six-year forecast assessed on the basis of how the market is predicted to grow
- It helps in understanding the key product segments and their future
- It provides pin point analysis of changing competition dynamics and keeps you ahead of competitors
- It helps in making informed business decisions by having complete insights of market and by making in-depth analysis of market segments
- It provides distinctive graphics and exemplified SWOT analysis of major market segments

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#### **About Us**

Transparency Market Research (TMR) is a global market intelligence company, providing global business information reports and services. Our exclusive blend of quantitative forecasting and trends analysis provides forward-looking insight for thousands of decision makers. TMR's experienced team of Analysts, Researchers, and Consultants, use proprietary data sources and various tools and techniques to gather and analyze information.

Our data repository is continuously updated and revised by a team of research experts, so that it always reflects the latest trends and information. With a broad research and analysis capability, Transparency Market Research employs rigorous primary and secondary research techniques in developing distinctive data sets and research material for business reports.

#### **Contact:**

Mr. Atil Chaudhari

90 State Street, Suite 700

Albany, NY 12207

Tel: +1-518-618-1030

USA - Canada Toll Free: 866-552-3453

**Email:** [sales@transparencymarketresearch.com](mailto:sales@transparencymarketresearch.com)

**Website:** <http://www.transparencymarketresearch.com/>